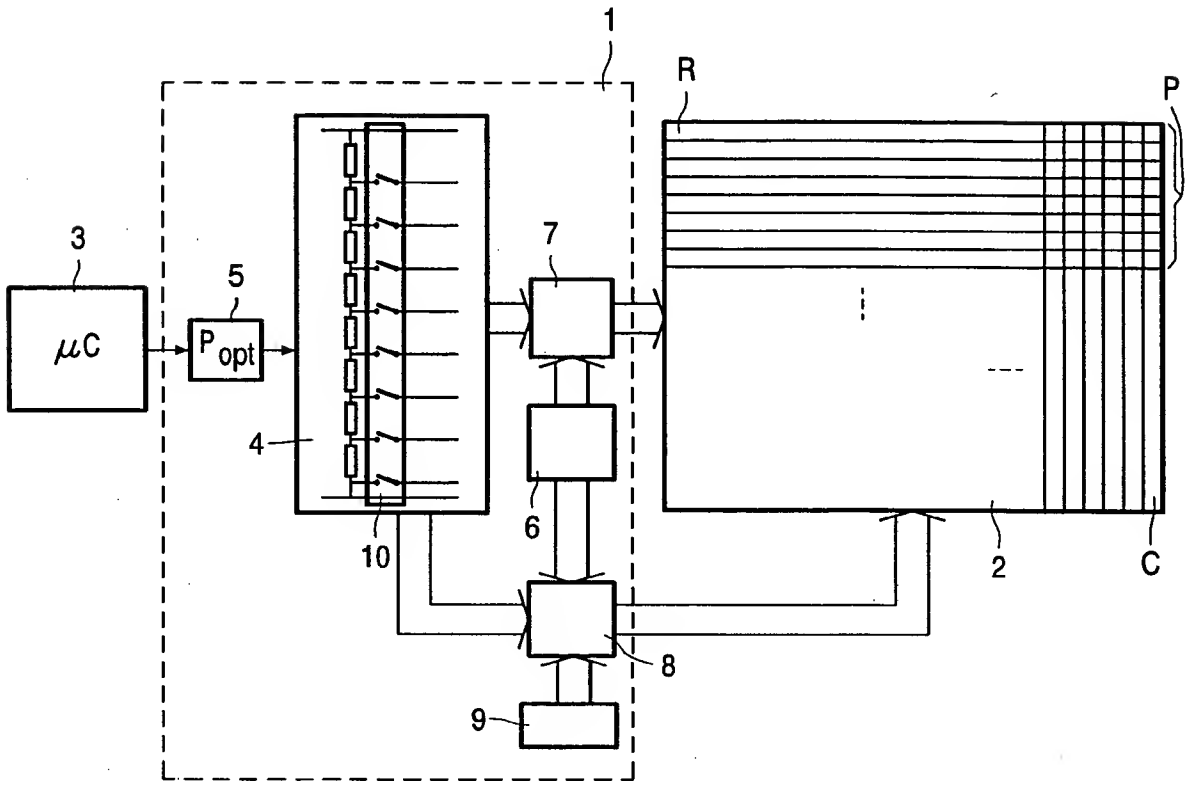
1
R
P
3
5
7
μC
P opt
4
6
10
2
C
8
9

FIG. 1

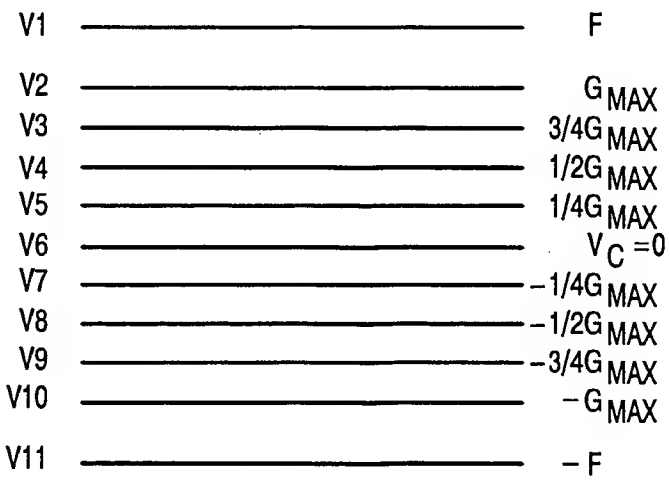
V1
F
V2
G MAX
V3
3/4G MAX
V4
1/2G MAX
V5
1/4G MAX
V6
V C =0
V7
-1/4G MAX
V8
-1/2G MAX
V9
-3/4G MAX
V10
-G MAX
V11
-F

FIG. 2

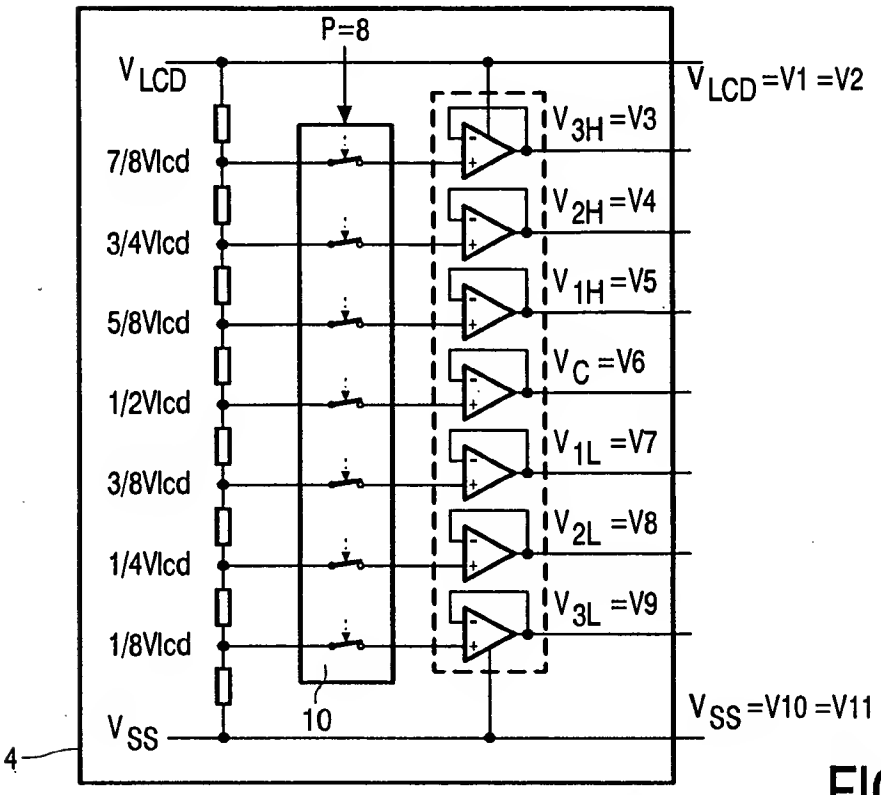
P=8
V_{LCD}
V_{LCD}=V1 =V2
7/8Vlcd
3/4Vlcd
5/8Vlcd
1/2Vlcd
3/8Vlcd
1/4Vlcd
1/8Vlcd
V_{SS}
V_{SS}=V10 =V11
V_{3H}=V3
V_{2H}=V4
V_{1H}=V5
V_C=V6
V_{1L}=V7
V_{2L}=V8
V_{3L}=V9
10
4

FIG. 3

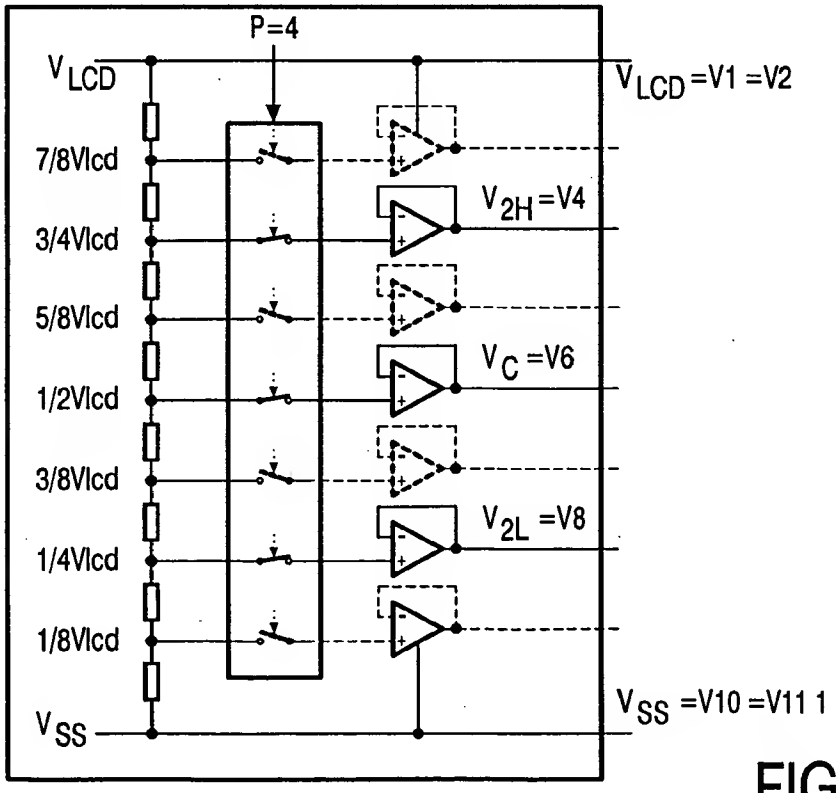
P=4
V_{LCD}
V_{LCD}=V1 =V2
7/8Vlcd
3/4Vlcd
5/8Vlcd
1/2Vlcd
3/8Vlcd
1/4Vlcd
1/8Vlcd
V_{SS}
V_{SS}=V10 =V11 1
V_{2H}=V4
V_C=V6
V_{2L}=V8

FIG. 4

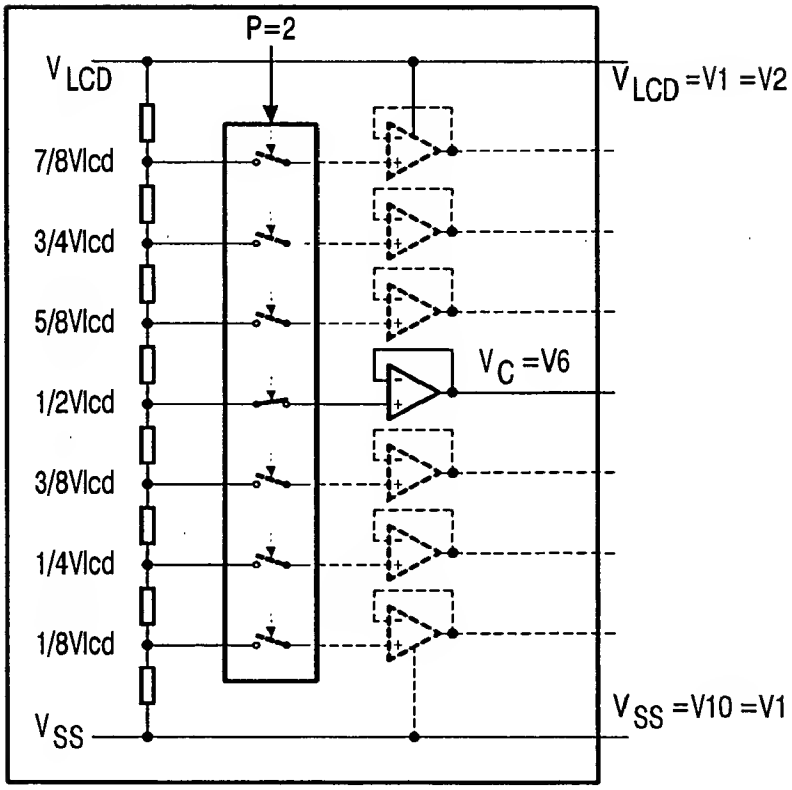

FIG. 5

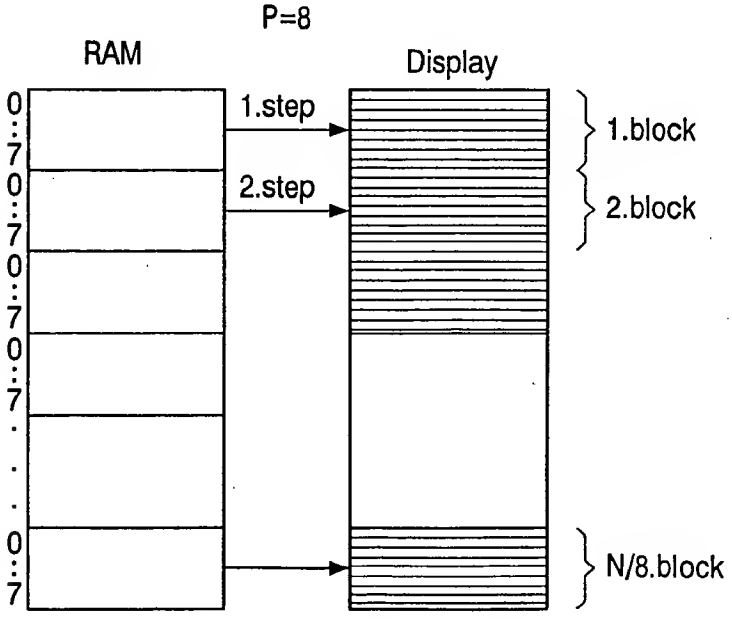

FIG. 6

EP 0 671 750 B1

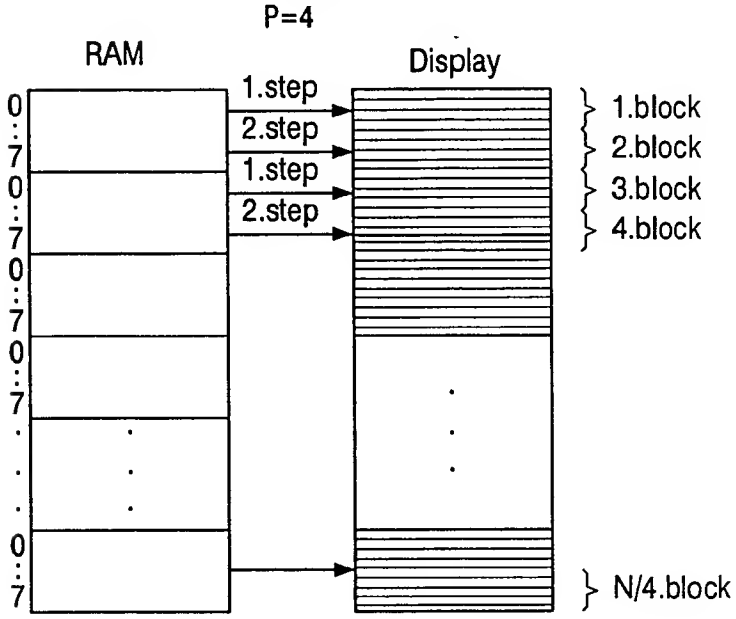

FIG. 7

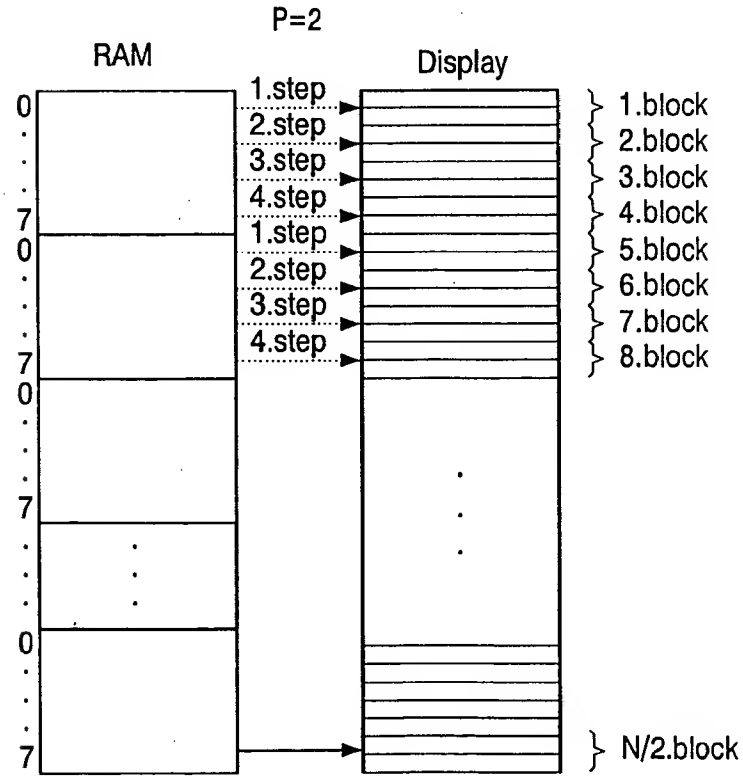

FIG. 8

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